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# Index to FAA Office of Aviation Medicine Reports: 1961 through 1995

William E. Collins

Michael E. Wayda

Civil Aeromedical Institute

Federal Aviation Administration

Oklahoma City, Oklahoma 73125

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16. Abstract  An index to Federal Aviation Administration (FAA) Office of Aviation Medicine Reports (1964-1995) and Civil Aeromedical Institute Reports is presented for those engaged in aviation medicine and related activities. The index lists all FAA aviation medicine reports published from 1961 through 1995: chronologically (pp. 1-41), alphabetically by author (pp. 43-50), and alphabetically by subject (pp. 51-72).			
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## Foreword

# Index to FAA Office of Aviation Medicine Reports: 1961 through 1995

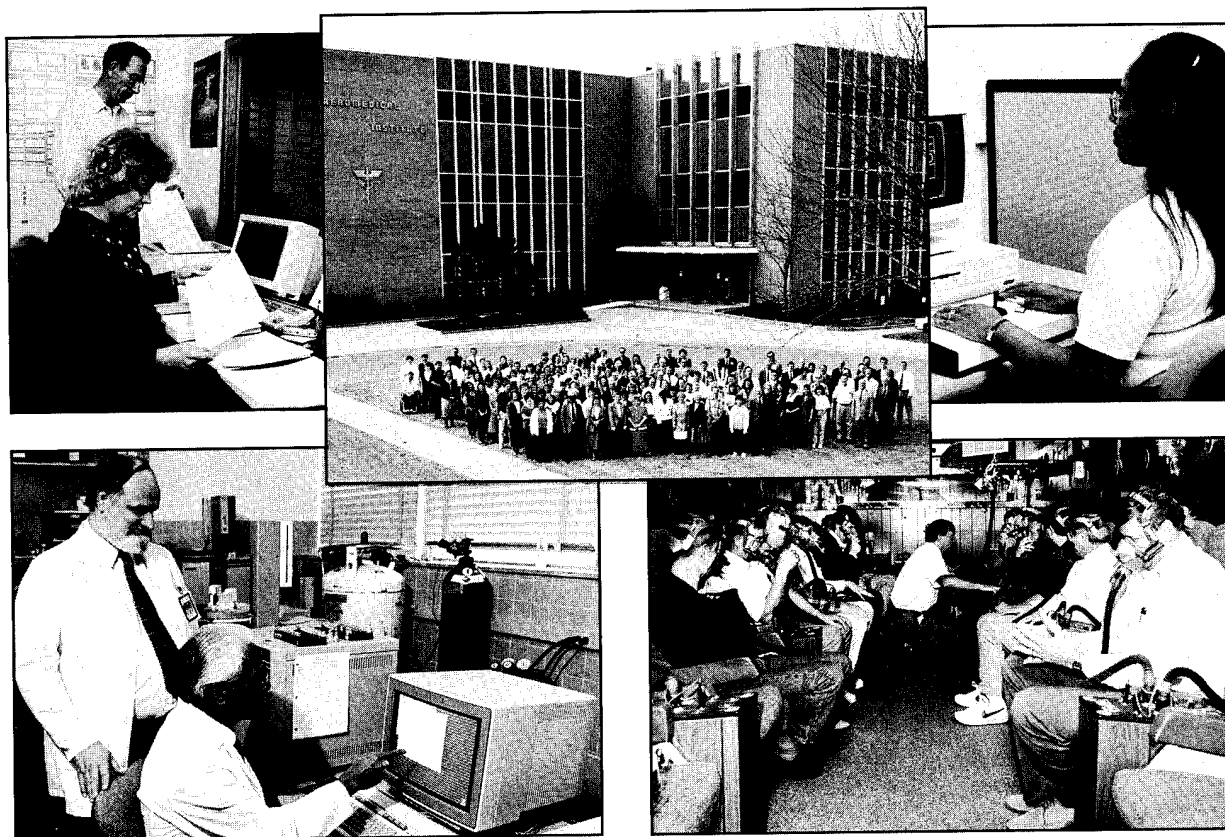
**C**AMI, the Civil Aeromedical Institute, is the medical certification, research, education, and occupational health wing of the Federal Aviation Administration's Office of Aviation Medicine (OAM). Our only purpose is to further *aviation safety*. We study the factors that influence human performance in the aviation environment, find ways to understand them, and communicate that understanding to the aviation community.

*OAM Reports* is the major part of this effort. Published since 1961, these reports are the

distillation of FAA aeromedical research efforts in aviation safety.

We have published 759 reports on a wide range of subjects, from *Angular Acceleration* to *Workload Effects on Complex Performance*.

The *Index* is provided as a reference for those engaged in aviation medicine and related disciplines. We do so because sharing significant findings contributes to the body of aeromedical knowledge through the synergistic effects of others, leading to understanding and the application of appropriate solutions.



The Civil Aeromedical Institute is located at the Mike Monroney Aeronautical Center in Oklahoma City, Oklahoma. The Institute's major programs are:

- Aeromedical Certification
- Aeromedical Education
- Human Resources Research
- Aeromedical Research
- Occupational Health

## How to use the Index to FAA Office of Aviation Medicine Reports

The Index is organized in three sections:

1. **Chronological Index:** A cumulative list of all research reports from 1961 through 1995.
2. **Author Index:** An index of authors, in alphabetical order.
3. **Subject Index:** An index of subjects, listed in alphabetical order.

Some examples are:

94-19 Gowdy, V: The performance of child restraint devices in transport airplane passenger seats.

Above: This is an entry from the *Chronological Index* of research reports, shown in cumulative sequence .

Shepherd, W.T. 89-9, 90-14, 91-16, 95-2, 95-14, 95-31.

Left: This is an entry from the *Author Index*, which lists all of the research reports prepared by an author or co-author.

### Drugs

... aircraft accidents, role of, 68-16, 78-31, 85-8, 92-23, 94-14, 95-28.  
... antinotion sickness, 81-16, 82-19.  
... atropine and performance, 93-19.

Left: An example of entries in the *Subject Index*; refers to all reports that pertain to a specific topic.

## Report Numbers

95-12 Cruz, C.E., and Della Rocco, P.S: Sleep patterns in air traffic controllers working rapidly-rotating shifts: A field study. **ADA294159**

The first numbers (**95-12**) refer to the year and chronological number of the report. This is an abbreviated portion of the official number given each report and is found in the upper left of the report's cover page. The full report number of "95-12" is DOT/FAA/AM-95/12. The "ADA294159" is the number appended to the report by the National Technical Information Service. Keep the number system in mind when ordering *OAM Reports*.

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OAM Reports  
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*"Aviation Safety through the Development and Application of Aeromedical Knowledge."*

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- 74-5 Booze, C. F., Jr: Characteristics of medically disqualified airman applicants during calendar year 1971. AD781684
- 74-6 Lategola, M. T., and Layne, P. J: Amplitude/frequency differences in a supine resting single-lead electrocardiogram of normal versus coronary heart diseased males. AD781685
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- 75-7 Melton, C. E., Jr., Smith, R. C., McKenzie, J. M., Saldivar, J. T., Hoffmann, S. M., and Fowler, P. R.: Stress in air traffic controllers: Comparison of two air route traffic control centers on different shift rotation patterns. ADA020679/7GI
- 75-8 Thackray, R. I., Bailey, J. P., and Touchstone, R. M.: Physiological, subjective, and performance correlates of reported boredom and monotony while performing a simulated radar control task. ADA025426/8GI
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75-14 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Iampietro, P. F., Vaughan, J. A., Funkhouser, G. E., Burr, M. J., Jennings, A. E., and West, G: The effects of dextroamphetamine on physiological responses and complex performance during sleep loss. ADA021520/2GI

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76-6 Cobb, B. B., Jr., Young, C. L., and Rizzuti, B. L: Education as a factor in the selection of air traffic controller trainees. ADA031880/8GI

76-7 Dille, J. R., and Booze, C. F., Jr: Accident experience of civilian pilots with static physical defects. ADA029431/4GI

76-8 Reighard, H. L: Aviation medicine. ADA032558/9GI

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- 77-2 Welsh, K. W., Vaughan, J. A., and Rasmussen, P. G: Survey of cockpit visual problems of senior pilots. ADA037587/3GI
- 77-3 Lategola, M. T., Flux, M., and Lyne, P. J: Spirometric assessment of potential respiratory impairment in general aviation airmen. ADA038296/0
- 77-4 Valdez, C. D: Ten-year survey of altitude chamber reactions using the FAA training chamber flight profiles. ADA03723/9GI
- 77-5 Saldivar, J. T., Hoffmann, S. M., and Melton, C. E: Sleep in air traffic controllers. ADA038297/8GI
- 77-6 Gerathewohl, S. J: Psychophysiological effects of aging: Developing a functional age index for pilots: I. A survey of the pertinent literature. ADA04032/0GI
- 77-7 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Intermediate visual acuity of presbyopic individuals with and without distance and bifocal lens corrections. ADA038538/5GI
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- 77-15 Chiles, W. D: Objective methods for developing indices of pilot workload. ADA044556/9GI
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- 77-21 Smith, R. C., and Hutto, G. L: Job attitudes of airway facilities personnel. ADA04641/3GI
- 77-22 Revzin, A. M: Functional localization in the nucleus rotundus. ADA047717/4GI
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- 77-24 Collins, W. E., Hasbrook, A. H., Lennon, A. O., and Gay, D. J: Disorientation training in FAA-certificated flight and ground schools: a survey. ADA047718/2GI
- 77-25 Dailey, J. T., and Pickrel, E. W: Development of new selection tests for air traffic controllers. ADA049049/0GI
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- 78-2 Revzin, A. M: Effects of ethanol on visual unit activity in the thalamus. ADA05092/4GI
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- 78-4 deSteiguer, D., Pinski, M. S., Bannister, J. R., and McFadden, E. B: Aircrew and passenger protective breathing equipment studies. ADA05100/4GI
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- 78-6 Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1976. ADA051691/4GI
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- 78-8 Friedberg, W., Neas, B. R., Faulkner, D. N., Hanneman, G. D., and Darden, E. B., Jr: Radiobiological aspects of high altitude flight: Relative biological effectiveness of fast neutrons in suppressing immune capacity to an infective agent. ADA05320/4GI
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- 78-22 Welsh, K. W., Vaughan, J. A., and Rasmussen, P. G: Aeromedical implications of the X-Chrom lens for improving color vision deficiencies. ADA054794/3GI
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- 78-25 Dark, S. J., and Davis, A. W., Jr: Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976. ADA058158/7GI
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- 78-34 Chiles, W. D., Jennings, A. E., and Alluisi, E. A: The measurement and scaling of workload in complex performance. ADA061725/8GA
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- 79-2 Snow, C. C., Hartman, S., Giles, E., and Young, F. A: Sex and race determination of crania by calipers and computer: A test of the Giles and Elliot discriminant functions in 52 forensic cases. ADA065448/36A
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- 79-5 Tobias, J. V., and Kidd, G. D., Jr: Accoustic signals for emergency evacuation. ADA066113/2.A
- 79-6 Pollard, D. W: Injuries in air transport emergency evacuations. ADA069372/1GA
- 79-7 Collins, W. E., and Chiles, W. D: Laboratory performance during acute intoxication and hangover. ADA069373/9GA

- 79-8    Lategola, M. T., and Trent, C. C: A lower body negative pressure box for +Gz simulation in the upright seated position. ADA069326/7GA
- 79-9    Schroeder, D. J., and Collins, W. E: Effects of congener and noncongener alcoholic beverages on a clinical ataxia battery. ADA069375/4GA
- 79-10   Higgins, E. A., McKenzie, J. M., Funkhouser, G. E., and Mullen, S. R: Effects of propranolol on time of useful function (TUF) in rats. ADA068535/4GA
- 79-11   Smith, R. C: A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel. ADA067826/8GA
- 79-12   Thackray, R. I., and Touchstone, R. M: Visual search performance during simulated radar observation with and without a swepline. ADA068020/7GA
- 79-13   McFadden, E. B. (Ed.): Oxygen equipment and rapid decompression studies. ADA070285/2GA
- 79-14   Boone, J. O., and Lewis, M. A: The selection of air traffic control specialists: Two studies demonstrating methods to insure an accurate validity coefficient for selection devices. ADA068581/8GA
- 79-15   Revzin, A. M: Development of electrophysiological indices of neurological toxicity for organophosphate pesticides and depressant drugs. ADA070299/3GA
- 79-16   Tobias, J. V: Interstimulus interval as it affects temporary threshold shift in serial presentations of loud tones. ADA072006/0GA
- 79-17   Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems conducted during fiscal year 1978. ADA074881/4
- 79-18   Pickrel, E. W: Performance standards for pass-fail determinations in the national air traffic flight service station training program. ADA081066/3
- 79-19   Dille, J. R., and Booze, C. F: The 1976 accident experience of civilian pilots with static physical defects. ADA07718919
- 79-20   Higgins, E. A., Lategola, M. T., McKenzie, J. M., Melton, C. E., and Vaughan, J. A: Effects of ozone on exercising and sedentary adult men and women representative of the flight attendant population. ADA080045/8
- 79-21   Boone, J. O: Toward the development of a new selection battery for air traffic control specialists. ADA080065/6
- 79-22   Rasmussen, P. G., Garner, J. D., Blethrow, J. G., and Lowrey, D. L: Readability of self-illuminated signs in a smoke-obscured environment. ADA081260/2
- 79-23   Pollard, D. W., Anderson, J. A., and Melton, R. J: A description of the Civil Aeromedical Institute airline cabin safety data bank: 1970-1976. ADA081155/4
- 79-24   Thackray, R. I., and Touchstone, R. M: Effects of noise exposure on performance of a simulated radar task. ADA081065/5
- 79-25   Mertens, H. W: Runway image as a cue for judgment of approach angle. ADA080929/3
- 79-26   Collins, W. E: Performance effects of alcohol intoxication and hangover at ground level and at simulated altitude. ADA079439/6



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- 80-3 Kirkham, W. R., Simpson, J. M., Wallace, T. F., and Grape, P. M: Aircraft crashworthiness studies: Findings in accidents involving an aerial application aircraft. ADA084619/6
- 80-4 Ryan, L. C., and Mohler, S. R: The current role of alcohol as a factor in civil aircraft accidents. ADA086261/5
- 80-5 Boone, J. O., Steen, J. A., and VanBuskirk, L. K: System performance, error rates, and training time for recent FAA Academy nonradar graduates, community persons, and handicapped persons on the radar training facility pilot position. ADA087661/5
- 80-6 Kirkham, W. R: Medical and toxicological factors in aircraft accidents. ADA087690/4
- 80-7 Collins, W. E., Boone, J. O., and VanDeventer, A. D. (Eds.): The selection of air traffic control specialists: I. History and review of contributions by the Civil Aeromedical Institute. ADA087655/7
- 80-8 Booze, C. F., Pidkowicz, J. K., Davis, A. W., and Bolding, F. A: Postmortem coronary atherosclerosis findings in general aviation accident pilot fatalities: 1975-1977. ADA089428/7
- 80-9 Higgins, E. A., Lategola, M. T., Melton, C. E., and Vaughan, J. A: Effects of ozone (0.30 parts per million, ~600 ug/m3) on sedentary men representative of airline passengers and cockpit crewmembers. ADA092268/2
- 80-10 McKenzie, J. M., Higgins, E. A., Funkhouser, G. E., Moses, R., Fowler, P. R., and Wicks, S. M: Changes in the oxygen-hemoglobin dissociation curve and time of useful function at hypobaric pressures in rats after chronic oral administration of propranolol. ADA089139/0
- 80-11 Dille, J. R., and Linder, M. K: The effects of tobacco on aviation safety. ADA091510/8
- 80-12 Chandler, R. F., Garner, J. D., Lowrey, D. L., Blethrow, J. G., and Anderson, J. A: Considerations relative to the use of canes by blind travelers in air carrier aircraft cabins. ADA092528/9
- 80-13 Rasmussen, P. G., Chesterfield, B. P., and Lowrey, D. L: Readability of self-illuminated signs obscured by black fuel-fire smoke. ADA092529/7
- 80-14 Smith, R. C: Stress, anxiety, and the air traffic control specialist: Some conclusions from a decade of research. ADA093266/5
- 80-15 Boone, J. O., Van Buskirk L., and Steen, J. A: The Federal Aviation Administration's radar training facility and employee selection and training. ADA093027/1
- 80-16 Melton, C. E: Effects of long-term exposure to low levels of ozone: A review. ADA094426/4
- 80-17 Thackray, R. I., and Touchstone, R. M: An exploratory investigation of various assessment instruments as correlates of complex visual monitoring performance. ADA097276/0
- 80-18 deSteiguer, D., and Saldivar, J. T: Evaluation of the protective efficiency of a new oxygen mask for aircraft passenger use to 40,000 feet. ADA097046/7

80-19 Dark, S. J: Characteristics of medically disqualified airman applicants in calendar years 1977 and 1978. ADA098766/9

80-20 McKenzie, J. M: Vocational options for those with sickle cell trait: Questions about hypoxemia and the industrial environment. ADA098706/5

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81-2 Lategola, M. T., Lyne, P. J., and Burr, M. J: Cardiorespiratory assessment of 24-hour crash-diet effects on altitude, +Gz, and fatigue tolerances. ADA106379/1

81-3 Federal Aviation Administration Contract DOT-FA-77WA-4076: Neurological and neurosurgical conditions associated with aviation safety. ADA098697/6

81-4 Simpson, L. P., and Goulden, D. R: Aviation medicine translations: Annotated bibliography of recently translated material. X. ADA098916/0

81-5 Hutto, G. L., Smith, R. C., and Thackray, R. I: Methodology in the assessment of stress among air traffic control specialists (ATCS): Normative adult data for the State-Trait Anxiety Inventory from non-ATCS populations. ADA103192/1

81-6 Mertens, H. W., and Lewis, M. F: Effect of different runway size on pilot performance during simulated night landing approaches. ADA103190/5

81-7 Chesterfield, B. P., Rasmussen, P. G., and Dillon, R. D: Emergency cabin lighting installations: An analysis of ceiling- vs. lower-cabinmounted lighting during evacuation trials. ADA103191/3

81-8 Higgins, E. A., Mertens, H. M., McKenzie, J. W., and Funkhouser, G. E: Physiological, biochemical, and performance responses to a 24-hour crash diet. ADA103143/4

81-9 Booze, C. F., Jr: Prevalence of selected pathology among currently certified active airman. ADA103397/6

81-10 Kirkham, W. R: Improving the crashworthiness of general aviation aircraft by crash injury investigations. ADA103316/6

81-11 Hanneman, G. D: Factors related to the welfare of animals during transport by commercial aircraft. ADA106226/4

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- 82-2 Boone, J. O: A generic model for evaluation of the Federal Aviation Administration air traffic control specialist training programs. ADA106379/1
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- 82-13 Kirkham, W. R., Wicks, S. M., Lowrey, D. L: G incapacitation in aerobatic pilots: A flight hazard. ADA123757/7
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- 90-2 Myers, J.G: Management assessment: implications for development and training. ADA219178
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For information about CAMI programs, write:

Director

FAA Civil Aeromedical Institute, AAM-3

P.O. Box 25082

Oklahoma City, Oklahoma 73125